

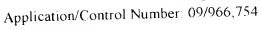
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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/966,754	10/01/2001	Boaz Eitan	P-1164-US2	3708	
7590 06/18/2002 Eitan, Pearl, Latzer & Cohen-Zedek			EXAMINER		
Suite 210 One Crystal Park			CHAUDHARI, CHANDRA P		
2011 Crystal Drive			ART UNIT	PAPER NUMBER	
Arlington, VA	22202-3709		2813	9	
			DATE MAILED: 06/18/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No		Applicant(s)	,				
y .	•	09/966,754		EITAN, BOAZ					
Office Action Summary		Examiner		Art Unit					
		Chandra Chaud		2813					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address									
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM									
THE M - Extens after S - If the p - If NO - Failure - Any re	PRIENED STATUTORY PERIOD FOR RE JAILING DATE OF THIS COMMUNICATIO sions of time may be available under the provisions of 37 CFF IX (6) MONTHS from the mailing date of this communication. leriod for reply specified above is less than thirty (30) days, a period for reply is specified above, the maximum statutory per e to reply within the set or extended period for reply will, by station ply received by the Office later than three months after the material patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no event, how reply within the statutory m ricid will apply and will expire	vever, may a reply be tin inimum of thirty (30) day a SIX (6) MONTHS from to become ABANDONE	nely filed s will be considered timely the mailing date of this co	r. ammunication.				
1)⊠	Responsive to communication(s) filed on a	April 1, 2002							
2a)⊠	This action is FINAL . 2b)	This action is non-	final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims									
4)⊠ Claim(s) <u>1,4,5 and 7-13</u> is/are pending in the application.									
	la) Of the above claim(s) <u>13</u> is/are withdraw		on.						
5) Claim(s) is/are allowed.									
6)⊠ Claim(s) <u>1, 4-5, 7-12</u> is/are rejected.									
/	• • •								
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.									
Application Papers									
9) The specification is objected to by the Examiner.									
10) 🔲 🖯	he drawing(s) filed on is/are: a)☐ a	ccepted or b) obje	cted to by the Exa	aminer.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.									
If approved, corrected drawings are required in reply to this Office action.									
12) The oath or declaration is objected to by the Examiner.									
Priority under 35 U.S.C. §§ 119 and 120									
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).									
a) ☐ All b) ☐ Some * c) ☐ None of:									
	1. Certified copies of the priority documents have been received.								
2. Certified copies of the priority documents have been received in Application No									
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).									
a) ☐ The translation of the foreign language Acknowledgment is made of a claim for dor	e provisional applica	ation has been re	ceived.					
Attachment(s)									
1) Notice 2) Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948 mation Disclosure Statement(s) (PTO-1449) Paper No	4) [3) 5) [b(s) 6) [iry (PTO-413) Paper No I Patent Application (PT					



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Newly submitted claim 13 directed to an invention that is independent or distinct from the invention originally claimed for the following reasons: a device, which is claimed that can be made by another process.

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits.

Accordingly, claim 13 is withdrawn from consideration as being directed to a non-elected invention.

See 37 CFR 1.142(b) and MPEP § 821.03.

The terminal disclaimer filed on April 1, 2002 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of U.S. Patent 6,297,096 has been reviewed and is accepted. The terminal disclaimer has been recorded.

The following are quotations of the first and second paragraphs of 35 U.S.C. 112

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention

Claims 1, 4-5, 7-12 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

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Claims 1, 4-5, 7-12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The phrase "into generally all of said nitride layer" is not supported by the specification, in addition to being unclear in meaning.

In claim 7, the phrase "wherein said nitride layer is 100 angstroms or less thick" is not supported by the specification.

Claim 10 is unclear in meaning because it states a nitride layer of approximately 20-150 angstroms thick, whereas claim 7 states the nitride layer is 100 angstroms or less thick.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b).

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Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1, 4-5, 7, 10, 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Hayabuchi – US 5,324,675.

See reasons of record in paper #6, 2/26/02.

Claims 1, 4-5, 7-12 are rejected under 35 U.S.C. 102(e) as being anticipated by Chang – US 5,836,772.

See reasons of record in paper #6, 2/26/02, and also in text in col. 2, lines 55-65 and Table 1 in col. 4.

Applicant's arguments filed on April 1, 2002 have been fully considered but they are not persuasive.

Hayabuchi clearly teaches the claimed invention. Note that applicant's specification on page 7, line 23 to col. 8, line 6 states oxidizing the nitride layer introduces oxygen into the nitride layer. It is clear that Hayabuchi's nitride layer is within the memory cell.

Chang also teaches the claimed invention by introducing oxygen into the nitride layer as shown in col. 5, lines 11-20. In addition, applicant has already stated in the specification on pager 7, line 23 to col. 8, line 6 that oxidizing the nitride layer introduces oxygen into the nitride layer. Chang certainly teaches to improve charge retention as shown for example, in col. 4, lines 16-27, and lines 64-67, and col. 5, lines 11-20.



THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chandra Chaudhari whose telephone number is 703-308-1095. The examiner can normally be reached on Mon Tue Thu Fri (7:30-6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri can be reached on 703-306-2794. The fax phone number for the organization where this application or proceeding is assigned is 703-308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

Chandra Chaudhari Primary Examiner Art Unit 2813

C. Claidfan

Chandra Chaudhari

June 14, 2002